APPENDIX P

PLANNING LEVEL COST ESTIMATES FOR PROPOSED IMPROVEMENTS

PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

Location	Description	Unit	Quantity	Unit Price (A)	Total
5.2 Wisconsin Avenue Corridor	- Provide Signage Via Jenifer Street	SF	24	\$80	\$1,920
C.2 Widdenbir / Worlde Corridor	- Remove Parking Meters	EA	10	\$200	\$2,000
	- Install No Parking Signs	SF	15	\$80	\$1,200
	- Modify Parking Signs	SF	15	\$80	\$1,200
	- Optimize Signal Timing	LS	1	\$5,000	\$5,000
			Location Su		\$11,320
5.3 Western Avenue Corridor	- Place Temporary Jersey Barriers	LF	540	\$20	\$10.800
5.3 Western Avenue Comdor	- Reconfigure 44th Street (Temporary)	LF	5 4 0 1	\$20 \$10.000	\$10,800
	- Reconfigure 44th Street (Temporary) - Reconfigure Hecht's Parking Entrance (Temporary)	LS	1	\$10,000	\$10,000
	Optimize Signal Timing	LS	1	\$5,000	\$5,000
	- Optimize Signal Hilling	LO	Location Su		\$35,800
			Location 30	D TOTAL.	ψ33,000
5.4.1 Wisconsin Avenue/Fessenden Street	- Restripe Pedestrian Crossings	LF	440	\$3	\$1,320
	- Restripe All Approaches	LF	2600	\$0.70	\$1,820
	- Lane Use Signage on Fessenden WB	SF	12.5	\$80	\$1,000
			Location Su	b Total:	\$4,140
5.4.2 Wisconsin Avenue/Jenifer Street	- Restripe Pedestrian Crossings	LF	440	\$3	\$1,320
	- Restripe All Approaches	LF	3200	\$0.70	\$2.240
	- Add Lane Use Signs on Jenifer Street Eastbound	SF	12.5	\$80	\$1,000
	- Add Directional Signs for Western Avenue	SF	45	\$80	\$3,600
			Location Su		\$8,160
5.4.3 Wisconsin Avenue/Western Avenue	- Restripe Pedestrian Crossings	LF	580	\$3	\$1,740
5.4.5 WISCONSIII AVEITUE/Western Avenue	Restripe Pedestrial Crossings Restripe Wisconsin Avenue NB, North of Western Avenue	LF LF	3200	ەم 90.70	\$1,740 \$2,240
	Provide Area Maps At The Metro Station	SF	72	\$0.70 \$80	\$5,760
	- Install No Left Turn Sign NB	SF	6.25	\$80 \$80	\$5,760
	- Ilistali No Lett Tuffi Sigif ND	OI.	Location Su		\$10,240
5.4.4 Western Avenue/Jenifer Street	- Restripe Pedestrian Crossings	LF	440	\$3	\$1,320
	- Restripe All Approaches	LF	3200	\$0.70	\$2,240
	- Reconfigure SB Friendship Boulevard Approach (included in the traffic				
	mitigation measures required to developers in the Montgomery County, Maryland by the Maryland-National Capital Park and Planning Comission)	1.0	4	ቀ ደ	PE 000
	- Install Lane Use Signs	LS SF	1 62.5	\$5,000	\$5,000
	- Install Lane Use Signs - Modify Signal Phasing	LS	0∠.5 1	\$80 \$3.000	\$5,000 \$3,000
	- Mounty Signal Phasing	LO	ı	გ ა,სსს	Φ 3,000

PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

Location	Description	Unit	Quantity	Unit Price (A)	Total
5.4.5 Western Avenue/Military Road	- Restripe Pedestrian Crossings	LF	240	\$3	\$720
0.4.5 Western / Wende/Wintary Road	- Add Lane Use Signs	SF	12.5	\$80	\$1,000
	- Coordinate signal phasing timing with adjacent intersections	LS	1	\$10,000	\$10,000
			Location Su		\$11,720
5.4.6 Western Avenue/41st Street/McKinley Street	- Restripe Pedestrian Crossings	LF	400	\$3	\$1.200
	- Reconstruct Southwest Quadrant	LS	1	\$15,000	\$15,000
	- Install Red Light Camera	LS	1	\$20,000	\$20,000
			Location Su		\$36,200
5.4.7 41st Street/Livingston Street	- Restripe Pedestrian Crossings	LF	320	\$3	\$960
or mark of our our goton of our	- Retime Pedestrian Crossing Phase	LS	1	\$1,000	\$1,000
			Location Su		\$1,960
5.4.8 41st Street/Legation Street	- Restripe Pedestrian Crossings	LF	320	\$30	\$9,600
o. 4.0 4 for our our Edgaudiff Our our	- Remove Two Parking Spaces	SF	3	\$80	\$240
	- Install Pedestrian Crossing Signs	SF	12.5	\$80	\$1,000
	<u> </u>		Location Su	b Total:	\$10,840
5.4.9 Military Road/41st Street/Reno Road	- Reallocate Signal Timing	LS	1	\$2,000	\$2.000
,	- Install Side Street Vehicular Detection - 3 approaches	EA	1	\$12,500	\$12,500
	- Install Red Light Camera	LS	1	\$20,000	\$20,000
			Location Su	b Total:	\$34,500
5.4.10 Military Road/42nd Street	- Install Supplemental Signing to Re-inforce Turn Restriction	SF	5	\$80	\$400
,	- Install Parking Stall Stripping	LF	300	\$0.70	\$210
	- Relocate "No Parking Here To Corner" Sign	EA	1	\$100	\$100
	 Install "Do Not Block Intersection" Signs for Both Directions 	SF	10	\$80	\$800
			Location Su	b Total:	\$1,510
5.4.11 Military Road/43rd Street	- Restripe Pedestrian Crossing	LF	180	\$3	\$540
•	- Install Parking Stall Striping	LF	300	\$0.70	\$210
	- Relocate "No Parking Here To Corner" Sign	EA	1	\$100	\$100
	- Install "Do Not Block Intersection" Signs	SF	10	\$80	\$800
			Location Su	b Total:	\$1,650
5.4.12 42nd Street/Jenifer Street	- Install four way stop control if warranted	SF	10	\$80	\$800
			Location Su	b Total:	\$800
5.4.13 Harrison Street at 41st and 42nd Streets	- Install four way stop control if warranted	SF	10	\$80	\$800
55 . Almosti Guodi at 4 fot and 42nd offoto		.	Location Su	*	\$800

PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

		·		Unit	
Location	Description	Unit	Quantity	Price (A)	Total
5.4.14 Garrison Street/44th Street	- Install a "Stop Ahead" Sign	SF	9	\$80	\$720
	- Install Supplemental Signage Prohibiting Left Turns by Trucks	SF	18	\$80	\$1,440
	- Install "One Way" Signs on the South End of the Alleyway	SF	6	\$80	\$480
			Location Su	ıb Total:	\$2,640
5.4.15 River Road/Fessenden Street/45th St	- Place Temporary Jersey Barriers on River Rd	LF	250	\$20	\$5,000
	- Turn Restriction Signs	SF	30	\$80	\$2,400
	- Speed Limit Signs	SF	10	\$80	\$800
			Location Su	ıb Total:	\$8,200
5.5 43rd Street	- Modify Parking Limits	SF	15	\$80	\$1,200
			Location Su	ıb Total:	\$1,200
5.6 Signing	- Replace Missing And Faded Signs	SF	250	\$80	\$20,000
	- Trim Vegetation	LS	1	\$20,000	\$20,000
	- Replace Non-Standard Signs	SF	50	\$80	\$4,000
		-	Location Su		\$44,000

Notes:

A) Unit prices developed based on information provided by the District of Columbia Department of Public Works and other recent metro-area construction pricing sources

Sketch-plan estimates. Actual improvement cost estimates to be calculated upon design completion of each improvement. All costs exclusive of Right-of-Way acquisition costs

PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

Location	Description	Unit	Quantity	Unit Price (A)	Total
E 2 Wissensin Avenue Corridor	Dedectries Mid Black Circuit	LS	1	¢75,000	Ф7E 000
5.2 Wisconsin Avenue Corridor	Pedestrian Mid-Block SignalSemi-Actuated Signal Controls	EA	3	\$75,000 \$25,000	\$75,000 \$75,000
	- Semi-Actuated Signal Controls	EA	-		\$75,000 \$450,000
			Location S	ub rotai:	\$150,000
5.3 Western Avenue Corridor	- Install Permanent Raised Median	LF	630	\$150	\$94,500
	- Remove Signal System At 44th Street	LS	1	\$20,000	\$20,000
	- Modify 44th Street Entrance	LS	1	\$20,000	\$20,000
	- Modify Hecht's Entrance	LS	1	\$20,000	\$20,000
	- Semi-actuated Signal Controls	EA	5	\$25,000	\$125,000
			Location S		\$279,500
5.4.1 Wisconsin Avenue/Fessenden Street	 Widen Left Turn Lane On Fessenden St 	LF	200	\$80	\$16,000
	 Provide Vehicular Detection On Fessenden Street 	LS	1	\$25,000	\$25,000
			Location S	ub Total:	\$41,000
5.4.2 Wisconsin Avenue/Jenifer Street	- Remove Parking Meters on Wisconsin Ave	EA	14	\$200	\$2,800
5.4.2 Wisconsin Avenue/Jenner Street	Enhance Sidewalk/Crosswalks At Jenifer Street	EA	4	\$200 \$5,000	\$2,000
	- Littlatice Sidewalk/Crosswalks At Jeriller Street	LA	Location S	· · · · —	\$20,000
			2004.0	<u>us rotan</u>	422,000
5.4.3 Wisconsin Avenue/Western Avenue	- Reconstruct SB Approach		By Others		\$0
	- Northbound Approach Improvements	LS	1	\$20,000	\$20,000
	- Relocate Bus Stop on Wisconsin Ave	EA	1	\$25,000	\$25,000
	- Improve Metro Signage		By Others		\$0
			Location S	ub Total:	\$45,000
5.4.4 Western Avenue/Jenifer Street	- Included In Western Avenue Corridor				
5.4.4 Western Avenue/sernier Gueet	- Included in Western Avenue Comuci		Location S	ub Total:	\$0
5.4.5 Western Avenue/Military Road	- Reconstruct Islands and Ramps	SY	400	\$60	\$24,000
o. no vrociom / trondo/mintary redu		.	Location S	,	\$24,000
5.4.6 Western Avenue/41st St/McKinley St	- Construct Right Turn Slip Ramp	LF	200	\$200	\$40,000
	- Construct Left Turn Storage Lanes	LF	600	\$300	\$180,000
	- Install Fully-actuated Signal System	LS	1	\$100,000	\$100,000
			Location S	ub Total:	\$320,000
E 4.7.41at Stroot/Livingston Stroot	None				
5.4.7 41st Street/Livingston Street	None		Location S	uh Total:	\$0
			LUCALIUII 3	ub i Ulai.	ΨU

PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

- Install A Fully-actuated Signal System					Unit	
Section Sub Total:	Location	Description	Unit	Quantity	Price (A)	Total
5.4.9 Military Road/41st Street/Reno Road	5.4.8 41st Street/Legation Street	None				
- Install A Fully-actuated Signal System - Alternative 1: A Double-Faced Jersey Barrier - Alternative 2: One Way Street SB - LS 1 \$100,000 \$20,0				Location S	ub Total:	\$0
- Install A Fully-actuated Signal System	5.4.9 Military Road/41st Street/Reno Road	- Widen for Eastbound Right Turn Lane	LF	200	\$200	\$40,000
Alternative 2: One Way Street SB	,		LS	1	\$100,000	\$100,000
Second Sub Total Standard Street Standard Standard Street Standard Stan		- Alternative 1: A Double-faced Jersey Barrier	LS	1	\$20,000	\$20,000
5.4.10 Military Road/42nd Street - Widen Right Turn Radius Install a Raised Channelizing Island LS 1 \$1,000 \$2.0 <		- Alternative 2: One Way Street SB	LS	1		\$4,000
Substituting Sub				Location S	ub Total:	\$124,000
Substituting Sub	5.4.10 Military Road/42nd Street	- Widen Right Turn Radius	IS	1	\$10,000	\$10,000
Seconstruct Wheelchair Ramps EA 3 \$5,000 \$15,0	5.4. To Williary Ttodd/42Tid Offeet			1	' '	\$2.000
Location Sub Total: \$15,000		motali a raioca Ghamoizing Islana		•		\$12,000
Location Sub Total: \$15,000	E 4 44 Military Dood/42rd Ctroot	December of Wheelsheir Demos	Γ.	2	¢ E 000	¢45,000
Substitution Street Substitution Street Substitution Street Substitution Street Substitution Street Substitution Street Substitution Substituti	5.4.11 Military Road/4310 Street	- Reconstruct wheelchair Ramps	EA	-	¥ - ,	
Substitute Sub				Location 3	ub Total.	\$15,000
5.4.13 Harrison Street at 41st and 42nd Streets None Location Sub Total:	5.4.12 42nd Street/Jenifer Street	None				\$0
Substitute				Location S	ub Total:	\$0
Substitute	5 4 13 Harrison Street at 41st and 42nd Streets	None				\$0
Second Street S				Location S	ub Total:	\$0
Section Sub Total:	5.44.0 : 0					••
5.4.15 River Road/Fessenden Street/45th St - Install Raised Grassed Median LF 360 \$150 \$54,0 - Signage for Median SF 50 \$80 \$4,0 Location Sub Total: \$58,0 5.5 43rd Street - Reconstruct the Diverter with Improved landscaping LS 1 \$20,000 \$20,0 - Alternative 1:One Way Street SB SF 50 \$80 \$4,0 - Alternative 2:Install Speed Tables EA 2 \$5,000 \$10,0 Location Sub Total: \$34,0 - Maintain Standards LS 1 \$10,000 \$10,0 - Maintain Standards LS 1 \$30,000 \$30,0	5.4.14 Garrison Street/44th Street	None		Location S	ub Total:	\$0 \$0
- Signage for Median - Signage for Median - Signage for Median - Reconstruct the Diverter with Improved landscaping - Alternative 1:One Way Street SB - Alternative 2:Install Speed Tables - Alternative 2:Install Speed Tables - Comprehensive Sign Inventory - Maintain Standards - Signage for Median SF 50 \$80 \$20,000 \$20,						
Location Sub Total: \$58,0	5.4.15 River Road/Fessenden Street/45th St					\$54,000
5.5 43rd Street - Reconstruct the Diverter with Improved landscaping LS 1 \$20,000 \$20,000 - Alternative 1:One Way Street SB SF 50 \$80 \$4,000 - Alternative 2:Install Speed Tables EA 2 \$5,000 \$10,000 Location Sub Total: \$34,000 \$34,000 \$30,000 \$30,000 \$30,000		- Signage for Median	SF	• • • • • • • • • • • • • • • • • • • •		\$4,000
- Alternative 1:One Way Street SB				Location S	ub Total:	\$58,000
- Alternative 1:One Way Street SB	5 5 43rd Street	- Reconstruct the Diverter with Improved landscaping	IS	1	\$20,000	\$20.000
- Alternative 2:Install Speed Tables EA 2 \$5,000 \$10,0						\$4,000
5.6 Signing - Comprehensive Sign Inventory LS 1 \$10,000 \$10,00 - Maintain Standards LS 1 \$30,000 \$30,00				2	\$5,000	\$10,000
- Maintain Standards LS 1 \$30,000 <u>\$30,</u> 0		· 		Location S	ub Total:	\$34,000
- Maintain Standards LS 1 \$30,000 <u>\$30,</u> 0	F. G. Signing	Comprehensive Sign Inventory	1.0	1	\$10,000	¢10,000
	J.O Signing			1		\$10,000
Location Sub Total: \$40.0		manitani otanuarus	LO	Location S	, ,	\$40,000

PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

				Unit	
Location	Description	Unit	Quantity	Price (A)	Total

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A) Unit prices developed based on information provided by the District of Columbia Department of Public Works and other recent metro-area construction pricing sources

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